

We claim:

1. An adhesive textile composite, said adhesive-textile composite comprising:
a mechanically fabricated textile component having a face side and a back
5 side, said textile component being comprised of organic fibers and having a tear
strength of at least 10 lbs. in the machine direction and the cross-machine
direction, when measured according to ASTM D-5733-99, and wherein at least
the face side of said textile component comprises a hydrophobic surface; and
a pressure sensitive adhesive applied to the back side of said textile
10 component.
2. The adhesive-textile composite of Claim 1, wherein said hydrophobic surface of
said textile component comprises a treatment selected from the group consisting
of fluorochemicals, silicones, and waxes.
- 15 3. The adhesive-textile composite of Claim 1, wherein said textile component has a
construction selected from the group consisting of woven, knit, nonwoven, tufted,
and bonded.
- 20 4. The adhesive-textile composite of Claim 1, wherein said textile component
comprises fibers selected from the group consisting of cotton, rayon,
polypropylene, polyester, nylon, acrylic, olefins, and blends thereof.
- 25 5. The adhesive-textile composite of Claim 4, wherein said textile component
comprises polyester.

6. The adhesive-textile composite of Claim 1, wherein said pressure sensitive adhesive is an acrylate-based adhesive.

5 7. The adhesive-textile composite of Claim 5, wherein said adhesive-textile composite exhibits a rolling ball tack of between 3 inches and 12 inches.

8. The adhesive-textile composite of Claim 5, wherein said adhesive-textile composite exhibits a 90-degree peel strength of between 0.10 lbf/inch and 1.00 lbf/inch.

10 9. The adhesive-textile composite of Claim 1, wherein said adhesive-textile composite exhibits a 90-degree peel strength that is at least 0.20 lbf/inch lower than its delamination strength.

15 10. The adhesive-textile composite of Claim 1, wherein, after said adhesive-textile composite has been applied to a surface and removed from said surface, said surface retains substantially the same appearance as before said adhesive-textile composite was applied.

20 11. The adhesive-textile composite of Claim 1, wherein a thickening agent is incorporated into said pressure sensitive adhesive.

12. The adhesive-textile composite of Claim 1, wherein said textile component further comprises at least one stain release composition.

13. The adhesive-textile composite of Claim 1, wherein said adhesive-textile composite further comprises at least one antimicrobial compound.

14. The adhesive-textile composite of Claim 1, wherein said adhesive-textile composite further comprises at least one flame retardant compound.

15. An adhesive-textile composite, said adhesive-textile composite comprising:

a mechanically fabricated textile component having a face side and a back side, said textile component being comprised of organic fibers and having a tear strength of at least 10 lbs. in the machine direction and the cross-machine direction, when measured according to ASTM D-5733-99; and

a thermoplastic hot-melt polymer applied to the back of said textile component.

16. The adhesive-textile composite of Claim 15, wherein said hydrophobic surface of said textile component comprises a treatment selected from the group consisting of fluorochemicals, silicones, and waxes.

17. The adhesive-textile composite of Claim 15, wherein said textile component has a construction selected from the group consisting of woven, knit, nonwoven, tufted, and bonded.

18. The adhesive-textile composite of Claim 15, wherein said textile component comprises fibers selected from the group consisting of cotton, rayon, polypropylene, polyester, nylon, acrylic, olefins, and blends thereof.

19. The adhesive-textile composite of Claim 18, wherein said textile component comprises polyester.

5 20. The adhesive-textile composite of Claim 15, wherein said thermoplastic hot-melt polymer is acrylate-based.

10 21. The adhesive-textile composite of Claim 15, wherein, after said adhesive-textile composite has been applied to a surface and removed from said surface, said surface retains substantially the same appearance as before said adhesive-textile composite was applied.

22. The adhesive-textile composite of Claim 15, wherein said textile component further comprises at least one stain release composition.

15 23. The adhesive-textile composite of Claim 15, wherein said adhesive-textile composite further comprises at least one antimicrobial compound.

20 24. The adhesive-textile composite of Claim 15, wherein said adhesive-textile composite further comprises at least one flame retardant compound.